

Weight Chart for Hexagon Bolts & Nuts

DIN 931 & DIN 934

Approximate weights in kilograms (Kg's) each

Bolt Length mm	Nominal Diameter																		
	M12	M14	M16	M18	M20	M22	M24	M27	M30	M33	M36	M39	M42	M45	M48	M52	M56	M60	M64
60	0.067	0.094	0.123	0.164	0.209	0.254	0.315												
65	0.071	0.099	0.131	0.173	0.221	0.269	0.332	0.448											
70	0.075	0.105	0.138	0.183	0.233	0.283	0.349	0.470	0.608										
75	0.079	0.111	0.146	0.192	0.244	0.298	0.367	0.492	0.635	0.796									
80	0.084	0.117	0.153	0.202	0.256	0.312	0.384	0.514	0.662	0.829	1.025								
85	0.088	0.123	0.161	0.212	0.268	0.327	0.401	0.536	0.689	0.862	1.064								
90	0.093	0.127	0.169	0.221	0.280	0.341	0.418	0.558	0.716	0.894	1.104	1.353							
95	0.097	0.133	0.176	0.231	0.292	0.356	0.436	0.580	0.744	0.927	1.143	1.400	1.648						
100	0.101	0.139	0.184	0.241	0.304	0.370	0.453	0.602	0.771	0.960	1.182	1.446	1.701	2.030					
110	0.109	0.151	0.199	0.260	0.328	0.399	0.487	0.646	0.825	1.026	1.261	1.538	1.808	2.153	2.519				
120	0.118	0.164	0.214	0.279	0.352	0.428	0.522	0.690	0.879	1.092	1.339	1.630	1.915	2.276	2.659	3.212			
130	0.127	0.174	0.228	0.297	0.374	0.455	0.554	0.730	0.929	1.153	1.412	1.716	2.015	2.391	2.789	3.366			
140	0.136	0.185	0.243	0.316	0.398	0.484	0.588	0.774	0.984	1.219	1.490	1.808	2.122	2.514	2.929	3.531	4.127		
150	0.144	0.196	0.258	0.335	0.422	0.513	0.623	0.818	1.038	1.285	1.569	1.900	2.229	2.637	3.069	3.695	4.318	5.280	
160	0.154	0.206	0.273	0.354	0.445	0.542	0.657	0.862	1.092	1.351	1.647	1.992	2.336	2.760	3.209	3.860	4.509	5.500	6.656
170	0.163	0.219	0.289	0.374	0.469	0.571	0.692	0.906	1.146	1.416	1.725	2.085	2.443	2.883	3.349	4.024	4.700	5.720	6.916
180	0.172	0.231	0.304	0.393	0.493	0.600	0.727	0.950	1.201	1.482	1.804	2.177	2.550	3.006	3.490	4.189	4.892	5.940	7.176
190	0.181	0.243	0.319	0.412	0.517	0.629	0.761	0.993	1.255	1.548	1.882	2.269	2.657	3.129	3.630	4.354	5.083	6.160	7.436
200	0.190	0.253	0.334	0.431	0.541	0.658	0.796	1.037	1.309	1.614	1.961	2.361	2.764	3.252	3.770	4.518	5.274	6.380	7.696
210	0.199	0.264	0.347	0.447	0.561	0.682	0.824	1.074	1.355	1.670	2.027	2.440	2.854	3.357	3.888	4.659	5.437	6.600	7.956
220	0.208	0.275	0.362	0.466	0.585	0.711	0.859	1.118	1.409	1.736	2.105	2.532	2.961	3.480	4.028	4.824	5.628	6.820	8.216
230	0.217	0.286	0.377	0.486	0.608	0.740	0.893	1.162	1.463	1.801	2.184	2.624	3.068	3.603	4.168	4.989	5.819	7.040	8.476
240	0.226	0.297	0.392	0.505	0.632	0.769	0.928	1.206	1.517	1.867	2.262	2.716	3.175	3.726	4.309	5.153	6.010	7.260	8.736
250	0.235	0.308	0.407	0.524	0.656	0.798	0.962	1.250	1.572	1.933	2.340	2.809	3.282	3.849	4.449	5.318	6.201	7.480	8.996
260	0.244	0.319	0.422	0.543	0.680	0.827	0.997	1.294	1.626	1.999	2.419	2.901	3.390	3.972	4.589	5.482	6.393	7.700	9.256
270	0.253	0.330	0.438	0.563	0.704	0.856	1.031	1.338	1.680	2.065	2.497	2.993	3.497	4.095	4.729	5.647	6.584	7.920	9.516
280	0.262	0.341	0.453	0.582	0.728	0.885	1.066	1.381	1.735	2.130	2.576	3.085	3.604	4.218	4.869	5.812	6.775	8.140	9.776
290	0.271	0.352	0.468	0.601	0.752	0.914	1.101	1.425	1.789	2.196	2.654	3.177	3.711	4.341	5.009	5.976	6.966	8.360	10.036
300	0.280	0.363	0.483	0.620	0.775	0.943	1.135	1.469	1.843	2.262	2.733	3.270	3.818	4.464	5.149	6.141	7.157	8.580	10.296
310	0.289	0.374	0.498	0.640	0.799	0.972	1.170	1.513	1.897	2.328	2.811	3.362	3.925	4.587	5.289	6.305	7.348	8.800	10.556
320	0.298	0.385	0.513	0.659	0.823	1.001	1.204	1.557	1.952	2.394	2.890	3.454	4.032	4.710	5.429	6.470	7.539	9.020	10.816
330	0.307	0.396	0.528	0.678	0.847	1.030	1.239	1.601	2.006	2.459	2.968	3.546	4.139	4.833	5.569	6.635	7.731	9.240	11.076
340	0.316	0.407	0.544	0.697	0.871	1.059	1.273	1.645	2.060	2.525	3.046	3.638	4.246	4.956	5.710	6.799	7.922	9.460	11.336
350	0.325	0.418	0.559	0.717	0.895	1.088	1.308	1.688	2.114	2.591	3.125	3.731	4.353	5.079	5.850	6.964	8.113	9.680	11.596
360	0.334	0.429	0.574	0.736	0.919	1.117	1.342	1.732	2.169	2.657	3.203	3.823	4.460	5.202	5.990	7.128	8.304	9.900	11.856
370	0.343	0.440	0.589	0.755	0.942	1.146	1.377	1.776	2.223	2.723	3.282	3.915	4.567	5.325	6.130	7.293	8.495	10.120	12.116
380	0.352	0.451	0.604	0.774	0.966	1.174	1.411	1.820	2.277	2.788	3.360	4.007	4.674	5.448	6.270	7.458	8.686	10.340	12.376
390	0.361	0.462	0.619	0.794	0.990	1.203	1.446	1.864	2.332	2.854	3.439	4.099	4.781	5.571	6.410	7.622	8.878	10.560	12.636
400	0.370	0.473	0.634	0.813	1.014	1.232	1.481	1.908	2.386	2.920	3.517	4.192	4.888	5.694	6.550	7.787	9.069	10.780	12.896
410	0.379	0.484	0.650	0.832	1.038	1.261	1.515	1.951	2.440	2.986	3.596	4.284	4.995	5.817	6.690	7.951	9.260	11.000	13.156
420	0.388	0.495	0.665	0.851	1.062	1.290	1.550	1.995	2.494	3.052	3.674	4.376	5.102	5.940	6.830	8.116	9.451	11.220	13.416
430	0.397	0.506	0.680	0.871	1.086	1.319	1.584	2.039	2.549	3.117	3.752	4.468	5.209	6.063	6.970	8.281	9.642	11.440	13.676
440	0.406	0.517	0.695	0.890	1.109	1.348	1.619	2.083	2.603	3.183	3.831	4.560	5.317	6.186	7.111	8.445	9.833	11.660	13.936
450	0.415	0.528	0.710	0.909	1.133	1.377	1.653	2.127	2.657	3.249	3.909	4.653	5.424	6.309	7.251	8.610	10.024	11.880	14.196
500	0.460	0.583	0.786	1.005	1.253	1.522	1.826	2.346	2.929	3.578	4.302	5.113	5.959	6.924	7.951	9.433	10.980	12.980	15.496
550	0.505	0.638	0.861	1.102	1.372	1.667	1.999	2.565	3.200	3.907	4.694	5.574	6.494	7.540	8.652	10.256	11.936	14.080	16.796
600	0.550	0.693	0.937	1.198	1.491	1.811	2.171	2.785	3.471	4.236	5.086	6.035	7.029	8.155	9.352	11.079	12.892	15.180	18.096
650	0.595	0.748	1.013	1.294	1.610	1.956	2.344	3.004	3.743	4.565	5.478	6.496	7.565	8.770	10.053	11.902	13.847	16.280	19.396
700	0.640	0.803	1.089	1.390	1.730	2.101	2.517	3.223	4.014	4.894	5.870	6.957	8.100	9.385	10.753	12.725	14.803	17.380	20.696
750	0.685	0.858	1.164	1.487	1.849	2.246	2.690	3.443	4.285	5.223	6.263	7.418	8.635	10.000	11.454	13.548	15.759	18.480	21.996
800	0.730	0.913	1.240	1.583	1.968	2.390	2.862	3.662	4.557	5.552	6.655	7.879	9.170	10.615	12.154	14.371	16.715	19.580	23.296
Nuts	M12	M14	M16	M18	M20	M22	M24	M27	M30	M33	M36	M39	M42	M45	M48	M52	M56	M60	M64
	0.017	0.022	0.030	0.050	0.056	0.076	0.100	0.150	0.210	0.270	0.360	0.460	0.590	0.720	0.890	0.971	1.310	1.600	1.820